# DTS20F17-99SA [V001] ✔ ACTIVE

DEUTSCH | DEUTSCH 38999 Series III

TE Internal #: YDTS20F17-99SAV001

Standard Circular Connectors, Wire-to-Wire, 23 Position, .1 in [.06 mm] Centerline, Sealable, Wire & Cable, Power & Signal, Panel Mount

View on TE.com >

Connectors > Circular Connectors > Standard Circular Connectors > D38999: Square Flange, 17-99 insert

Connector System: **Wire-to-Wire**

Connector Mounting Type: **Panel Mount**

Number of Positions: **23**

Centerline (Pitch): **.06 mm [ .1 in ]**

Sealable: **Yes**

All D38999: Square Flange, 17-99 insert (39)

## Features

### Product Type Features

| | |
|---|---|
| Product Type | Connector Assembly |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Circular Connector Type | Receptacle |
| Shell Type | Square Flange Receptacle |

### Configuration Features

| | |
|---|---|
| Number of Positions | 23 |
| Number of Power Positions | 2 |
| Number of Signal Positions | 21 |
| Contacts Preloaded | No |

### Body Features

| | |
|---|---|
| Shell Plating Material | Electroless Nickel |
| Shell Base Material | Aluminum |
| Circular Connector Insulation Material Type | Hard Dielectric/Silicone |
| Hermetically Sealed | No |

## Contact Features

| | |
|---|---|
| Contact Current Rating (Max) | 5 A |
| Reverse Gender | No |
| Contact Layout Arrangement | Circular |
| Circular Connector Contact Type | Pin/Socket |

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Panel Mount |
| Polarization Code | Normal |
| Mating Alignment Type | Polarization |
| Mating Retention | Without |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | .06 mm[.1 in] |
| Circular Connector Shell Size | E (17) |
| Alignment Keyed | Clocking |

## Dimensions

| | |
|---|---|
| Wire Size | .15 – .4 $mm^2$ |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -65 – 200 °C[-85 – 392 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |
| Shielded | Yes |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Pb (1.2% in Contact Lead-Copper Alloy)<br>Decamethylcyclopentasiloxane (D5) (5% in Insert Assembly) |

Article Safe Usage Statements:
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

| | |
|---|---|
| Halogen Content | Not Yet Reviewed for halogen content |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts

TE Part # CAT-D38999-DTS18Z
Straight Plug: D38999, 17-99 Insert, Electroless Nickel Plating

## Also in the Series | DEUTSCH 38999 Series III

Standard Circular Connectors(9183)

## Customers Also Bought

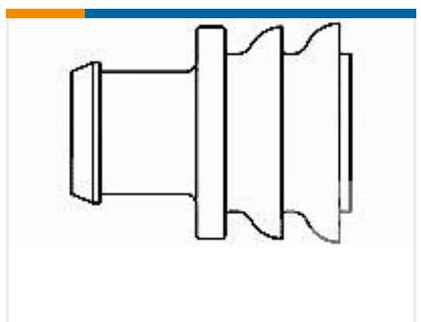
TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #W2S
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141
DEUTSCH Solid Contacts

TE Part #282104-1
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

## Documents

### Product Drawings

RECP ASSY

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_YDTS20F17-99SAV001_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_YDTS20F17-99SAV001_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_YDTS20F17-99SAV001_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS

English